

PTO/SB/21 (01-03)

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number

10/732,838

Filing Date

December 10, 2003

First Named Inventor

Chen

Art Unit

Examiner Name

Attorney Docket Number

21101 US2

ENCLOSURES (Check all that apply)

- | | | |
|--|---|--|
| <input type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> After Allowance Communication to Group |
| <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input type="checkbox"/> Amendment/Reply | <input type="checkbox"/> Petition | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Power of Attorney, Revocation | <input type="checkbox"/> Status Letter |
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| <input checked="" type="checkbox"/> Information Disclosure Statement | <input type="checkbox"/> Request for Refund | |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | <input type="checkbox"/> CD, Number of CD(s) _____ | |
| <input type="checkbox"/> Response to Missing Parts/Incomplete Application | <input type="checkbox"/> Remarks | |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | PATO Form 1449; References | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual	Eileen M. Ebel
Signature	
Date	March 11, 2004

CERTIFICATE OF TRANSMISSION/MAILINGI hereby certify that this correspondence is being transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313 on this date March 11, 2004

Typed or printed	Eileen M. Ebel		
Signature		Date	March 11, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application

Inventor(s) Chen, et al.

Group:

Serial No. 10/732,838, filed December 10, 2003
Docket No.: 21101 US2

Examiner:

For: 5-SUBSTITUTED-SIX-MEMBERED HETEROAROMATIC GLUCOKINASE
ACTIVATORS

INFORMATION DISCLOSURE STATEMENT

Nutley, New Jersey 07110
March 11, 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, applicants respectfully direct the Examiner's attention to the documents listed on enclosed Form PTO-1449.

Documents B1-B6 and C1-C13 listed on Form PTO-1449 are enclosed.
Documents A1-A20 are not enclosed because they are US Patents.

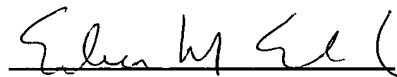
Also, Applicants note US Application numbers 10/616,359 and 10/421,109.

Consideration of all the documents cited on Form PTO-1449 is requested.

Serial No. 10/732,838
Filed: December 10, 2003

Since the Information Disclosure Statement is submitted before the mailing of the first Office Action on the merits for the above application, it is believed that no fee is due. If any fees are required, please charge our deposit account no. 08-2525.

Respectfully submitted,



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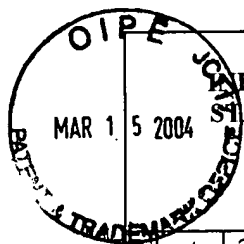
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Substitute for form 1449A/PTO				Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Application Number	10/732,838		
				Filing Date	December 10, 2003		
				First Name Inventor	Chen		
				Group Art Unit			
				Examiner Name			
Sheet	1	of	1	Attorney Docket Number	21101 US2		
U.S. PATENT DOCUMENTS							
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited document MM-DD-YYYY		
		Number	Kind Code ² (if known)				
	A1	5,169,951		Sutter, et al.	12-08-1992		
	A2	5,113,013		Powell, et al.	05-12-1992		
	A3	3,431,301		Focella, et al.	03-04-1969		
	A4	3,776,917		Mann, et al.	12-04-1973		
	A5	5,556,859		Johnson	09-17-1996		
	A6	6,486,184		Kester, et al.	11-26-2002		
	A7	6,610,846		Bizzarro, et al.	08-26-2003		
	A8	6,528,543		Bizzarro, et al.	03-04-2003		
	A9	6,320,050		Bizzarro, et al.	11-20-2001		
	A10	6,353,111		Corbett, et al.	03-05-2002		
	A11	6,489,485		Bizzarro, et al.	12-03-2002		
	A12	6,369,232		Sidduri	04-09-2002		
	A13	6,388,088		Sidduri	05-14-2002		
	A14	6,441,180		Sidduri	08-27-2002		
	A15	6,384,220		Corbett, et al.	05-07-2002		
	A16	6,388,071		Mahaney	05-14-2002		
	A17	6,441,184		Corbett, et al.	08-27-2002		
	A18	6,433,188		Corbett, et al.	08-13-2002		
	A19	6,545,155		Corbett, et al.	08-08-2003		
	A20	6,448,399		Corbett, et al.	09-10-2002		
FOREIGN PATENT DOCUMENTS							
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T*
		Office ³	Number ⁴	Kind Code ⁵ (if known)			
	B1	EP 566 138			Hodogaya Chemical Co., Ltd.	10-20-1993	
	B2	WO 00/26202			Pharmacia & Upjohn S.P.A.	05-11-2000	
	B3	WO 00/58293			F. Hoffmann-La Roche AG	10-05-2000	
	B4	WO 02/08209			F. Hoffmann-La Roche AG	01-31-2002	
	B5	SP 1,436,502			Robert G.W. Spickett, et al.	05-19-1976	
	B6	DE 249 241			Farbenfabriken	07-13-1912	
Examiner Signature		Date Considered					

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation or abstract is attached.



Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Application Number	10/732,838
		Filing Date	December 10, 2003
		First Name Inventor	Chen
		Group Art Unit	
		Examiner Name	
Sheet 2	Of 2	Attorney Docket Number	21101 US2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	C1	COLOWICK, S.P., The Enzymes, Vol. 9 (P. Boyer, ed.) Academic Press, New York, NY, pg. 1-48 (1973)	
	C2	CHIPKIN, et. al., in Joslin's Diabetes (C.R. Kahn and G.C. Wier, eds.), Lea and Febiger, Philadelphia, PA, pg. 97-115 (1994)	
	C3	PRINTZ, et. al., Ann. Rev. Nutrition, Vol. 13 (R.E. Olson, D.M. Bier, and D.B. McCormick, eds.) Annual Review Inc, Palo Alto, CA pp. 463-496 (1993)	
	C4	MEGLASSON, et. al., Amer. J. Physiol., 246, E1-E13 (1984)	
	C5	GRUPE, et. al., Cell 83, 69-78, (1995)	
	C6	FERRE, et al., FASEB J., 10, 1213-1218 (1996)	
	C7	LIANG, et al., Biochem. J. 309, 167-173 (1995)	
	C8	GLASER, et. al. New England J. Med. 338, 226-230 (1998)	
	C9	RODIER, et. al., Acta Crystallogr., C46 (1990) pp. 154-156	
	C10	ROBERT, J. M. H., et. al., Eur J. Med. Chem. Vol. 29, (1994), pp. 841-854	
	C11	SPICKETT, et. al., Eur. J. Med. Chem.-Chimica Therapeutica, Vol. 11(1), (1976), pp. 7-12	
	C12	BHAT, A. R., et. al., J. Inst. Chemists (India), Vol. 61, 1989, pp. 134-136	
	C13	SPIELMAN, M.A., et. al., J. Am. Chem. Soc., 70 (1948), pp. 4189-4191	
Examiner Signature		DATE CONSIDERED	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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